/ Descriptions

SOD-323

Silicon Diode in a SOD-323 Plastic Package.

/ Features

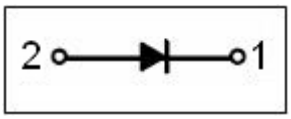
AEC-Q101

Fast switching diodes, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

/ Applications

Small signal diode, Meet the stringent requirements of automotive applications.

/ Equivalent Circuit



/ Pinning



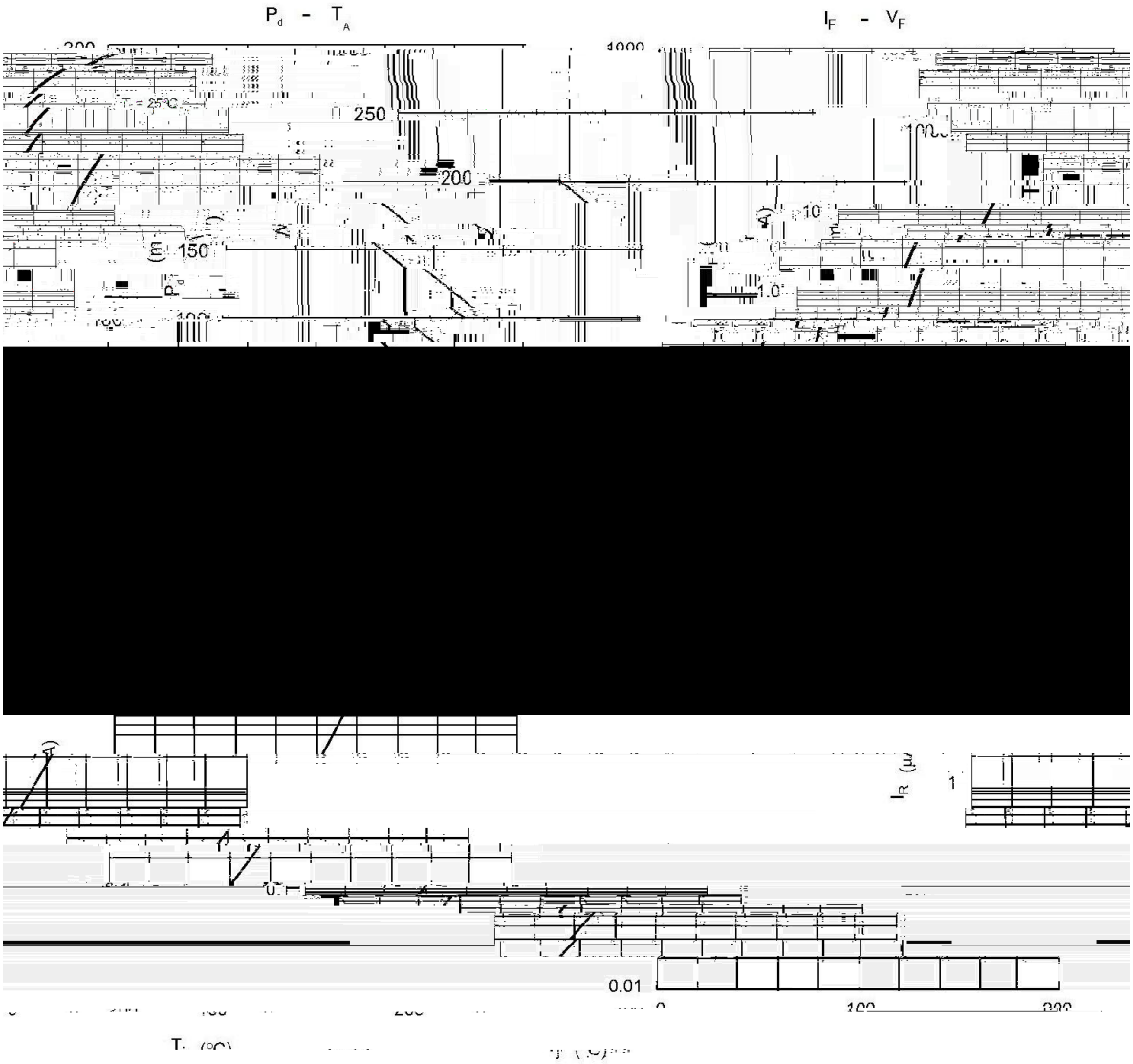
PIN1:Cathode PIN2:Anode

/ Marking

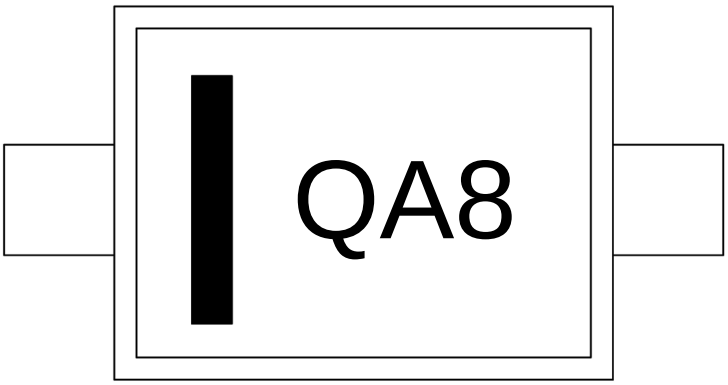
Model	BRBAV19WSQ	BRBAV20WSQ	BRBAV21WSQ
Marking	QA8	QT2	QT3

Parameter	Symbol	Rating			Unit
		BRBAV19WSQ	BRBAV20WSQ	BRBAV21WSQ	
Peak Repetitive Reverse Voltage	V_{RRM}	120	200	250	V
Working Peak Reverse Voltage, DC Reverse Voltage	V_{RWM} V_R	100	150	200	V
RMS Reverse Voltage	$V_{R\ RMS}$	71	106	141	V
Non-Repetitive Peak Forward Current	I_{FM}	400			mA
Output Current	I_O	200			mA
Non-Repetitive Peak Forward Surge Current	I_{FSM}	t=1.0			

/ Electrical Characteristic Curve



/ Marking Instructions



Q

A8

Note:

Q: Automobile halogen-free product Code

A8: Product Type